PATENT COOPERATION TREATY

To:				PCI	
see form PCT/ISA/220 Applicant's or agent's file reference see form PCT/ISA/220				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORIT (PCT Rule 43 <i>bis.</i> 1)	
				Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)	
				FOR FURTHER ACTION See paragraph 2 below	
	national application N T/GB2004/005050		International filing date (day/month/year) Priority date (day/month/year) 20.12.2003	
			both national classification	and IPC	
C09	9D11/00, C09D11	/10			
	licant				
AV	ECIA LIMITED				
1.			ons relating to the fol	lowing items:	
	Box No. I Box No. II	Basis of the op	Jillion		
	Box No. III		ment of opinion with rea	ard to novelty, inver	ntive step and industrial applicability
	Box No. IV	Lack of unity of		,2.0 10 1101 211,	•
	⊠ Box No. V	Reasoned stat		is.1(a)(i) with regard as supporting such s	to novelty, inventive step or industrial tatement
	☐ Box No. VI	Certain docum	nents cited		
	☐ Box No. VII	Certain defect	s in the international ap	plication	
	☐ Box No. VIII	Certain observ	ations on the internation	nal application	
2.	FURTHER ACT	ION			
	written opinion o	of the Internation coses an Author reau under Rule	nal Preliminary Examining the contract of the	ng Authority ("IPEA" to be the IPEA and t	will usually be considered to be a). However, this does not apply where he chosen IPEA has notifed the rnational Searching Authority
	cubmit to the IPI	EA a written repeted and earling	iv together, where appr	corriate, with amend	ne IPEA, the applicant is invited to ments, before the expiration of three on of 22 months from the priority date,
	For further optio	ns, see Form P	CT/ISA/220.		
3.	For further detai	ils, see notes to	Form PCT/ISA/220.		
				Authorized Officer	

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/005050

			IMPZORBALITATIO 20 JUN 2006				
	Box N	No. I	Basis of the opinion				
1.	With r	n regard to the language , this opinion has been established on the basis of the international application in language in which it was filed, unless otherwise indicated under this item.					
	la	angua	pinion has been established on the basis of a translation from the original language into the following ge , which is the language of a translation furnished for the purposes of international search Rules 12.3 and 23.1(b)).				
2.	With r	th regard to any nucleotide and/or amino acid sequence disclosed in the international application and cessary to the claimed invention, this opinion has been established on the basis of:					
	a. typ	e of m	naterial:				
		a se	equence listing				
		tab	le(s) related to the sequence listing				
	b. fori	b. format of material:					
		in v	vritten format				
		in c	computer readable form				
	c. time of filing/furnishing:						
		cor	ntained in the international application as filed.				
		file	d together with the international application in computer readable form.				
		furr	nished subsequently to this Authority for the purposes of search.				
3.	h	nas be copies	lition, in the case that more than one version or copy of a sequence listing and/or table relating thereto een filed or furnished, the required statements that the information in the subsequent or additional is is identical to that in the application as filed or does not go beyond the application as filed, as priate, were furnished.				
4.	Addit	Additional comments:					

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No: Claims 1-19

Inventive step (IS)

Yes: Claims

No: Claims

1-19

Industrial applicability (IA)

Yes: Claims

1-19

No: Claims

2. Citations and explanations

see separate sheet



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/005050

Re item V:

Reference is made to the following document/s/:

D1: US-B1-6 550 905 (DECKERS BERNARD J) 22 April 2003 (2003-04-22)

D2: WO 99/29788 A (XAAR TECHNOLOGY LIMITED; JOHNSON, STEVE;

WOODS, JILL) 17 June 1999 (1999-06-17)

D3: US 2003/199655 A1 (YURUGI KEIJI ET AL) 23 October 2003 (2003-10-23)

D4: US-B1-6 593 390 (JOHNSON STEVE ET AL) 15 July 2003 (2003-07-15)

1. Art. 33(2) PCT:

D1 discloses (claim 15, examples, abstract) solvent-free ink jet inks containing colorants and 20-40%wt monofunctional acrylates, 35-55% diacrylates and 5-15% triacrylates (leading to values of formula (1) below 60). The inks of D1 are disclosed to be curable without photoinitiators (Col. 12, I. 4, Col. 8, I. 19 and Col. 7, I. 50).

Consequently, the subject-matter of claims 1-19 is anticipated by D1.

D2 discloses (claim 1) solvent-free ink jet inks containing colorants and >20% monofunctional acrylates, >17,5% diacrylates and 10-30% triacrylates the total amount of acrylates being at least 35% (leading to values of formula (1) below 60). The inks of D2 are disclosed to be curable without photoinitiators by electron beam (p. 5, l. 14).

Consequently, the subject-matter of claims 1-19 is anticipated by D2.

2. Art. 33(3)PCT:

Providing an amended main claim which meets the requirements of Art. 33(2)PCT, the applicant should relate the distinguishing feature to a surprising (unexpected) technical effect or make credible or plausible that said difference is not derivable from the prior art teaching.